

VT1000 RESUSCITATION TRAINING KIT

DEMONSTRATION & TRAINING RESOURCE

The VT1000 Resuscitation Training Kit is designed to illustrate the effect excessive delivered pressure has on a patient during resuscitation. Pressures > 20 cm H₂O open the esophageal sphincter, forcing air into the stomach creating distention and gastric insufflation leading to aspiration and associated pneumonia.

Ventlab brand manual resuscitators feature an integrated color-coded pressure manometer. This product innovation effectively promotes proper pressure delivery to reduce gastric insufflations. Different colored fields alert to the risk level of delivered pressure. This gauge can help prevent vomiting, subsequent aspiration and costs associated with treating pneumonia.

Clinicians, students and product representatives alike can benefit from using the VT1000 to learn about and demonstrate pressure delivery, while increasing their confidence performing manual resuscitation using Ventlab brand resuscitators.



The VT1000 Training Kit and its individual components are NOT intended for patient use; it is strictly a demonstration device and practice tool.

TRAINING KIT COMPONENT LIST

ADULT AIRFLOW RESUSCITATION SYSTEM

Adult PVC Bag (1900 mL)
Adult Airflow Mask
Patient Valve with Integrated Pressure Manometer
BF102 Filter (19 ID x 30 OD)

SMALL ADULT AIRFLOW RESUSCITATION SYSTEM

Small Adult PVC Bag (100 mL)
Small Adult Airflow Mask
Patient Valve with Integrated Pressure Manometer
BF102 Filter (19 ID x 30 OD)

DEMONSTRATION MODEL

6" Flex Neck Corrugated Tubing
CPAP Valve
Bifurcated WYE
Test Lung (2 L Hyperinflation Bag, Plastic Jacket, Connector, Rubber Band)
Stomach Model (Inflatable Bag)
22 mm OD x 22 mm ID Connector (2)
20 mm ID x 22 mm ID Connector
22 mm ID x 22 mm OD Connector

SUPPORT AND REFERENCE MATERIALS

Manometer Benefits DVD
Manometer Reference Articles, Binder
Duffel Bag

If your training kit does not include all of these components, please contact us at 1-800-433-2797.

VT1000 RESUSCITATION TRAINING KIT

INSTRUCTIONS FOR USE

1. The VT1000 Resuscitation Training Kit includes a model that represents:

- A. The lung
- B. The stomach
- C. The esophageal sphincter
- D. The airway

Because the esophageal sphincter naturally opens at 20 cm H₂O, the esophageal sphincter model is designed to open at this same pressure rate.

2. A resuscitation bag attaches to the VT1000 and allows ventilation of the model. If pressures are kept *below* 20 cm H₂O, all the air passing through the bag will go to the lung and only lung expansion will occur.
3. When delivered pressures exceed 20 cm H₂O, more and more of the air passing through the resuscitation bag will go into the stomach and the translucent bag attached to the valve will begin to inflate. This represents gastric insufflations which will likely lead to vomiting, aspiration, and potentially pneumonia.
4. Delivered pressures < 20 cm H₂O will not inflate the stomach model as the esophageal sphincter cannot open allowing air into the stomach.
5. The integrated pressure manometer displays the pressure level; it is a valuable mechanism for monitoring pressure delivery.

NOTE:

Both adult and small adult size resuscitation bags are provided. By training with both bags, the user can experience the nuances between different sized pressure delivery devices. The user can determine which size bag enables them to best meet the AHA's recommendations for resuscitation delivery volume and rate.

For additional product information, please call 1-800-433-2797.

TRAINING MODEL



Observe inflation of stomach model that denotes gastric insufflations.

Monitor proper inflation of lung model.

